Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/24/2020 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122849	-2	2.85	122980	2.92
Blue	F	SSC	125000	123693	-2	3.18	124489	3.17
Blue	E	FITC	15892	15307	-4	3.34	334	21.36
Blue	D	PE	29999	28996	-4	2.62	629	15.36
Blue	B	PerCP-Cy5-5	43732	43107	-2	4.15	1154	20.76
Blue	A	PE-Cy7	30845	30630	-1	6.43	575	42.36
Red	C	APC	46112	45045	-3	2.69	1591	12.02
Red	A	APC-Cy7	30458	29896	-2	2.58	789	11.84
Violet	B	V450	7918	7520	-6	4.00	427	13.86
Violet	A	V500	32171	30783	-5	3.82	722	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17055	10.09	631	10	N/A	N/A	Pass
Blue	F	SSC	56817	2.46	572	13	N/A	N/A	Pass
Blue	E	FITC	60	65.51	548	5	0.0169	85	Pass
Blue	D	PE	133	50.47	554	6	0.1474	248	Pass
Blue	B	PerCP-Cy5-5	211	51.74	661	5	0.0089	83	Pass
Blue	A	PE-Cy7	106	108.72	704	6	0.0105	26	Pass
Red	C	APC	380	24.56	586	2	0.0249	112	Pass
Red	A	APC-Cy7	173	28.86	558	2	0.0058	1186	Pass
Violet	B	V450	64	61.58	459	1	0.0390	1612	Pass
Violet	A	V500	107	39.81	475	1	0.0238	1790	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.21	-32.66	1.00
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.92	13.60 - 20.40	N/A	N/A	30.05	30.53	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10751

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments